

# EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	13947	nozzle and capacitor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/17 14:24
S2	0	S1 and @pd<"2004027"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/17 14:26
S3	9309	S1 and @pd<"2004027"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/17 14:27
S4	13	S3 and radio frequency oscillator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/17 14:39
S5	14	(("5744099") or ("4574850") or ("5035150") or ("5741554") or ("9709541")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/17 14:47
S6	538	436/150.cds.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:30
S7	468	S6 and @pd<"2004027"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/17 14:50
S8	53	S7 and capacitor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/17 15:34

# EAST Search History

S9	397714	radio adj frequency adj oscillator or (RF) or (rf)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/17 15:38
S10	268667	S9 and @pd<"2004027"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/17 15:39
S11	59006	S10 and (capacity or capacitance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/17 15:39
S12	16045	S11 and liquid adj droplet or liquid adj drop	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/17 15:40
S13	10520	S12 and (nozzle or tip or end or hole)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/17 15:41
S14	7686	S13 and (method or process)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/17 15:42
S15	744	S14 and dielectric or electric conductive member	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/17 15:43

# EAST Search History

S16	982	S14 and dielectric or electric conductive member	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/17 15:44
S17	13	S16 and (monitor or measure or analyze) adj4 volume	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/05/17 15:44
S18	0	("2001/0045126").JRPN.	USPAT	ADJ	ON	2007/05/17 16:02
S19	0	("2001/0045126").JRPN.	USPAT	ADJ	ON	2007/05/17 16:02
S20	0	("2001/0045126").JRPN.	USPAT	ADJ	ON	2007/05/17 16:02
S21	0	("2001/0045126").JRPN.	USPAT	ADJ	ON	2007/05/17 16:02
S22	2	("4569226"   "4697451").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/17 16:02
S23	2	("4569226"   "4697451").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/17 16:02
S24	1	("6439068").JRPN.	USPAT	ADJ	ON	2007/05/17 16:03
S25	2	("4569226"   "4697451").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/17 16:06
S26	439447	capacitor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/17 16:06
S27	327582	S26 and @pd<"20040227"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/17 16:06
S28	21442	S27 and (drop or droplet or liquid or fluid) near10 capacitor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/17 16:08
S29	65240	S27 and (drop or droplet or liquid or fluid) same capacitor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/17 16:08
S30	28693	S27 and (drop or droplet or liquid or fluid) with capacitor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/17 16:10
S31	2311	S27 and (drop or droplet or liquid or fluid) with capacitor with dielectric	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/17 16:11
S32	1794	S31 and (method or measure or analyze)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/17 16:11

# EAST Search History

S33	1982	S31 and (process or method or measure or analyze)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/17 16:11
S34	240	S33 and (radio frequency oscillator or rf or frequency oscillator)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/17 16:12
S35	11388	liquid near20 capacitor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 09:11
S36	1	ALLEGRO TECHNOLOGIES LIMITED.as.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 09:12
S37	0	("9927355").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/04 09:12
S38	2	("9927355").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/04 09:12
S39	1	("20020168297").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/04 09:15
S40	2	("6671021").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/04 09:27
S41	1	("6713021").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/04 09:27
S42	3453	422/100.cds.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 09:44
S43	2410	S42 and @pd<"20040217"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 09:45
S44	81	S43 and capacitor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:01
S45	0	73/861.080.cds.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:01
S46	192	73/861.08.cds.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:02
S47	0	S46 and liquid near capacitor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:03
S48	0	S46 and (liquid near capacitor)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:03

## EAST Search History

S49	0	S46 and droplet near measurement	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:04
S50	1	S46 and droplet near measurement	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:23
S51	21275	capacitor same liquid	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:23
S52	13719	S51 and @pd<"20040217"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:23
S53	3	S52 and liquid energized	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:24
S54	573934	nozzle or dispensing system or dispenser or aspirator or pipettor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:25
S55	0	S54 and liquid energized near nozzle	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:26
S56	7	S54 and (liquid energized same nozzle)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:26
S57	539	436/150.lcds.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:30
S58	74	S57 and capacitor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:30
S59	52	S58 and @pd<"20040217"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:31
S60	28973	S57 and capacitor or conductive member	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:31
S61	78	S57 and (capacitor or conductive member)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:31
S62	56	S61 and @pd<"20040217"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:31
S63	0	S62 and liquid energized	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:32
S64	0	l41and liquid same capacitro	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:32

7/5/2007 9:02:56 AM

C:\Documents and Settings\bramdhani\My Documents\EAST\Workspaces\10787229.wsp

Page 5

## EAST Search History

S65	0	l41and liquid same capacitor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:32
S66	9	S62 and (liquid same capacitor)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:40
S67	5	"6713021"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:49
S68	3	"6419752"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:50
S69	2	"6770434"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:51
S70	4	"6669909"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:52
S71	2	"6805841"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:53
S72	1	"10673408"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:55
S73	1	09/927355	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:55
S74	0	"09927355"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 10:56
S75	0	("927355") or ("10098393") or ("10673408"),PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/04 10:56
S76	12	"927355"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 11:02
S77	358	carrying frequency	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 11:03
S78	272	S77 and @pd<"20040217"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 11:03
S79	68	S78 and capacitor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 11:03
S80	4	S79 and liquid	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 11:04

7/5/2007 9:02:56 AM

C:\Documents and Settings\bramdhani\My Documents\EAST\Workspaces\10787229.wsp

Page 6

# EAST Search History

S81	0	S78 and liquid droplet	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 11:04
S82	0	measure near liquid nearmdroplet	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 11:05
S83	0	measure near liquid nearm droplet	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 11:05
S84	5	measure near liquid near droplet	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 11:13
S85	16	"816326"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 11:16
S86	12	"709541"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/04 11:26
S87	4	((("5744099") or ("4574850") or ("5035150") or ("5741554"))),PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/04 11:26

# EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	(apparatus or device) and droplet and (measure or monitor) and nozzle and tip and (electrically conductive member or capacitor) and ac current.cfm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/06/28 13:20
S2	180045	method and dispense and tip and liquid and pipette or dispenser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/06/28 13:22
S3	933	method and dispense and pipette tip and liquid and (pipette or dispenser)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/06/28 14:02
S4	0	73/861.080.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/06/28 14:03
S5	0	"73/861.080".cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/06/28 14:03
S6	436	73/861.08.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/06/28 14:04
S7	400	S6 and @pd<"20040227"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/06/28 14:06

# EAST Search History

S8	2	S7 and capacitance near flow	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/06/28 14:53
S9	13	"1568415"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/06/28 14:54
S10	2	"20030224387"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/06/28 14:58
S11	2	"20030175163"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/06/28 14:58
S12	11	((("6669909" or ("6562012" or ("6713021" or ("6412351" or ("5596150" or ("6439068" or ("4975645" or ("4896099" or ("4470008" or ("4479116" or ("4531407").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/28 15:22